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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/647,762	08/25/2003	Cherng-Chyi Han	HT02-029	2793
75	90 09/02/2005		EXAMINER	
STEPHEN B. 28 DAVIS AVE			KIM, PAUL D	
	POUGHKEEPSIE, NY 12603		ART UNIT	PAPER NUMBER
	•		3729	
		•	DATE MAILED: 09/02/200	5

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	
	10/647,762	HAN ET AL.	
Office Action Summary	Examiner	Art Unit	· · · · · · · · · · · · · · · · · · ·
	Paul D. Kim	3729	
The MAILING DATE of this communication Period for Reply	n appears on the cover sheet w	ith the correspondence addre	ss
A SHORTENED STATUTORY PERIOD FOR RIWHICHEVER IS LONGER, FROM THE MAILIN - Extensions of time may be available under the provisions of 37 Cf after SiX (6) MONTHS from the mailing date of this communicatio - If NO period for reply is specified above, the maximum statutory p - Failure to reply within the set or extended period for reply will, by s Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	IG DATE OF THIS COMMUNI FR 1.136(a). In no event, however, may a lon. Period will apply and will expire SIX (6) MON statute, cause the application to become Al	CATION. reply be timely filed NTHS from the mailing date of this commissandonED (35 U.S.C. § 133).	
Status			
 1) ⊠ Responsive to communication(s) filed on 2 2a) ☐ This action is FINAL. 2b) ⊠ 3) ☐ Since this application is in condition for all closed in accordance with the practice under the closed in accordance with t	This action is non-final. owance except for formal mat		erits is
Disposition of Claims			
4) Claim(s) 1-30 is/are pending in the application 4a) Of the above claim(s) 9-30 is/are withd 5) Claim(s) is/are allowed. 6) Claim(s) 1-8 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction a	Irawn from consideration.		
Application Papers			
9) ☐ The specification is objected to by the Example 10) ☐ The drawing(s) filed on 26 August 2003 is/3 Applicant may not request that any objection to Replacement drawing sheet(s) including the ∞ 11) ☐ The oath or declaration is objected to by the	are: a) accepted or b) obtoom the drawing (s) be held in abeyare or	nce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1	• •
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for for a) All b) Some * c) None of: 1. Certified copies of the priority document of the certified copies of the priority document of the certified copies of the application from the International But * See the attached detailed Office action for a certified copies of th	nents have been received. nents have been received in A priority documents have been ureau (PCT Rule 17.2(a)).	pplication No received in this National Sta	ge
Attachment(s) 1) Notice of References Cited (PTO-892)	4) Interview S	Summary (PTO-413)	
2) Notice of Draftsperson's Patent Drawing Review (PTO-948 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SE Paper No(s)/Mail Date 11/24/03.	Paper No(s	s)/Mail Date nformal Patent Application (PTO-152	2)

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DETAILED ACTION

This office action is a response to the restriction requirement filed on 7/20/2005.

Response to the Restriction Requirement

1. Applicant's election with traverse of Group I, claims 1-8, in the reply filed on 7/20/2005 is acknowledged. The traversal is on the ground that the fields of search for the Group I and II inventions are clearly and necessarily co-extensive. This is not found persuasive because Group II is a process for manufacturing a stitched pole magnetic write head, which is in the subclass of 603.07 and Group I is a planarizing process, which is not related for manufacturing a magnetic head and this planarizing process can be performed in a process of making any electrical device such as printed circuit board such as subclass of 831. Therefore, these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

The requirement is still deemed proper and is therefore made FINAL.

2. Claims 9-20 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected invention, there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in the reply filed on 7/20/2005.

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Specification

3. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The following title is suggested: --A PLANARIZING PROCESS--.

4. The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required:

Re. Claim 2: The phrase "said cavity has a depth between about 2 and 3 microns" as recited in lines 1-2 does not disclose in the specification.

Re. Claim 3: The phrase "said cavity has a width between about 20 and 60 microns and a length between about 6 and 10 microns" as recited in lines 1-2 does not disclose in the specification.

Re. Claim 8: The phrase "said layer of alumina is deposited by means of sputtering" as recited in lines 1-2 does not disclose in the specification.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

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6. Claims 1-8 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Han et al. (US 2005/0024769 A1).

The applied reference has a common assignee and inventors with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

7. Claims 1 and 8 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Hsu et al. (US PAT. 6,693,769).

Claim Rejections - 35 USC § 103

- 8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 9. Claims 2, 3, 6, and 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hsu et al.

Hsu et al. teach all of the limitations as set forth above except characteristics of the cavity, forming a layer of photoresist and a thickness of an alumina layer. At the time the invention was made, it would have been an obvious matter of design choice to a Application/Control Number: 10/647,762

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person of ordinary skill in the art to modify the cavity, a layer of photoresist and a thickness of an alumina layer as recited in the claimed invention because Applicant has not disclosed that the recitations as recited in the claimed invention provides an advantage, is used for a particular purpose, or solves a stated problem. One of ordinary skill in the art, furthermore, would have expected Applicant's invention to perform equally well with Hsu et al. because the recitation as recited in the claimed invention would perform equally well with the write head in Hsu et al. Therefore, it would have been an obvious matter of design choice to modify the write head of Hsu et al. to obtain the invention as specified in claims 2, 3, 6, and 7.

10. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hsu et al. in view of Hsiao et al. (US PAT. 6,687,083).

Hsu et al. teach all of the limitations as set forth above except spin coating the photoresist layer. Hsiao et al. teach a process of making a magnetic write head including a process of spin coating an insulating layer as a photoresist layer (420) over a coil layer (416) as shown in Fig. 4 in order to apply the photoresist layer with a desire thickness on the coil layer. Therefore, it would have been obvious at the time the invention was made to a person having ordinary skill in the art to modify a process of fabricating a photoresist layer of Hsu et al. by spin coating process as taught by Hsiao et al. in order to apply the photoresist layer with a desire thickness on the coil layer.

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Conclusion

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul D. Kim whose telephone number is 571-272-4565. The examiner can normally be reached on Monday-Friday between 7:00 AM to 3:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on 571-272-4690. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Paul D Kim
Examiner

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